

What is claimed is:

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1. A method of encoding or encrypting data, comprising:
providing an assembly of information-bearing sounds (ISA);
removing one or more selected segments of the assembly, to
produce a specified data file;

providing an encoding/encryption key and encoding or encrypting
the specified data file; and

communicating the encoded or encrypted specified data file in a first
selected communication channel and communicating the removed segments
in a second selected communication channel.

2. The method of claim 1, further comprising providing a data
supplement that indicates at least one of: location of at least one of said
removed segments within said ISA; size of at least one of said removed
segments within said ISA; number of segments removed; separation
distance between two consecutive removed segments within said ISA; and a
selected portion of said encoding/encryption key; and

communicating said data supplement in said second selected
communication channel.

3. The method of claim 1, further comprising providing said
encoding/encryption key with at least one key parameter that uses
information from at least one of said removed segments.

4. The method of claim 1, further comprising selecting said first
and second communication channels to be the same channel.

5. The method of claim 1, further comprising providing said second
channel as a secure communication channel.

6. The method of claim 1, further comprising concatenating said
removed segments and said data supplement as a concatenated data file.

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7. The method of claim 6, further comprising encrypting said specified data file using cipher block chaining of at least one block of said concatenated data file and at least one encrypted block from said specified data file.

8. The method of claim 7, further comprising providing said at least one encoding/encryption parameter for said encoding/encryption key by providing a block of said concatenated data file as an initial block for said at least one encrypted block of said data.

9. The method of claim 1, further comprising removing at least first and second segments from said data file, where the first segment and the second segment have equal length.

10. The method of claim 1, further comprising removing at least first and second segments from said data file, where the first segment and the second segment have different lengths.

11. The method of claim 1, further comprising combining said removed segments with said specified data file to form a combined data file and reproducing the combined data file as an assembly of sounds.

12. A method of decoding or decrypting data, comprising:
providing an encoded or encrypted first data file;
providing a second data file and a data supplement that indicates at least one of: an assigned location of at least one designated segment of the second data file within a non-coded and non-encrypted version of the first data file; size of at least one designated segment of the second data file within the non-coded and non-encrypted first data file; number of selected segments designated; separation distance of at least two consecutive designated segments of the second data file within the non-coded and non-

encrypted first data file; and a selected portion of an encoding/encryption key used to encode or encrypt the first data file; and

using the data supplement to decode or decrypt the encoded or encrypted first data file and to position at least a first sequence and a second sequence, drawn from the second data file, within the first data file.

13. The method of claim 12, further comprising: providing said encoded or encrypted first data file on a first communication channel and providing said concatenation of said second data file and said data supplement on a second communication channel.

14. The method of claim 13, further comprising selecting said first and second communication channels to be the same channel.

15. The method of claim 13, further comprising providing said second channel as a secure communication channel.

16. The method of claim 19, further comprising determining at least one parameter of said encoding/encryption key using information in said second data file.

17. The method of claim 12, further comprising providing said encoded or encrypted first data file using cipher block chaining of at least one block of said concatenation of said second data file and said data supplement and at least one encoded or encrypted block from said first data file.

18. The method of claim 17, further comprising providing at least one encoding/encryption key parameter for said encoding/encryption key by providing at least one of said first sequence and said second sequence as an initial block for said at least one encoded/encrypted block of said data.

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19. The method of claim 12, further comprising providing said second data file and said data supplement as a concatenated data file.

20. The method of claim 12, further comprising combining said removed segments with said specified data file to form a combined data file and reproducing the combined data file as an assembly of sounds.

21. A method of communicating data, the method comprising:
providing an assembly of information-bearing sounds as a digital
file of data;

removing one or more selected segments from the data file, to produce a specified data file having at least a first block and a second block;

providing an encoding/encryption key having at least a first key portion and a second key portion;

providing a data supplement that indicates at least one of: location of at least one of the removed segments within the data file; size of at least one of the removed segments within the data file; number of segments removed; separation distance between two consecutive removed segments within the data file; and at least a portion of the encoding/encryption key;

encoding or encrypting the first block and the second block of the specified data file, using the first portion and the second portion, respectively, of the encoding/encryption key; and

communicating the encoded or encrypted specified data file in a first selected communication channel and communicating the removed segments and the data supplement in a second selected communication channel.

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